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PHOTOGRAPHIC INTERPRETATION REPORT



**CHRONOLOGY OF MOSCOW
GUIDED MISSILE
PRODUCTION PLANT 41
MOSCOW, USSR**

[Redacted]

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JUNE 1968

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6 PAGES

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GROUP 1 EXCLUDED FROM
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CHRONOLOGY OF MOSCOW GUIDED MISSILE PRODUCTION PLANT 41 MOSCOW, USSR

SUMMARY/CONCLUSIONS

This report is one of a series on Soviet missile-associated production facilities designed to aid in the overall evaluation of the Soviet missile production program.

The Moscow Guided Missile Production Plant 41 (formerly designated Moscow Aircraft Engine Plant 41) is now known to be involved in the Soviet missile program. The plant contains large assembly/shop buildings, one of which has

a tower section similar to other Soviet missile checkout/vertical assembly/hydrostatic test towers, and approximately 90 support buildings. Large numbers of apparently cylindrical objects and numerous probable canisters and crates are observed throughout the plant area.

INTRODUCTION

This report presents details of the chronological development of Moscow Guided Missile Production Plant 41 located

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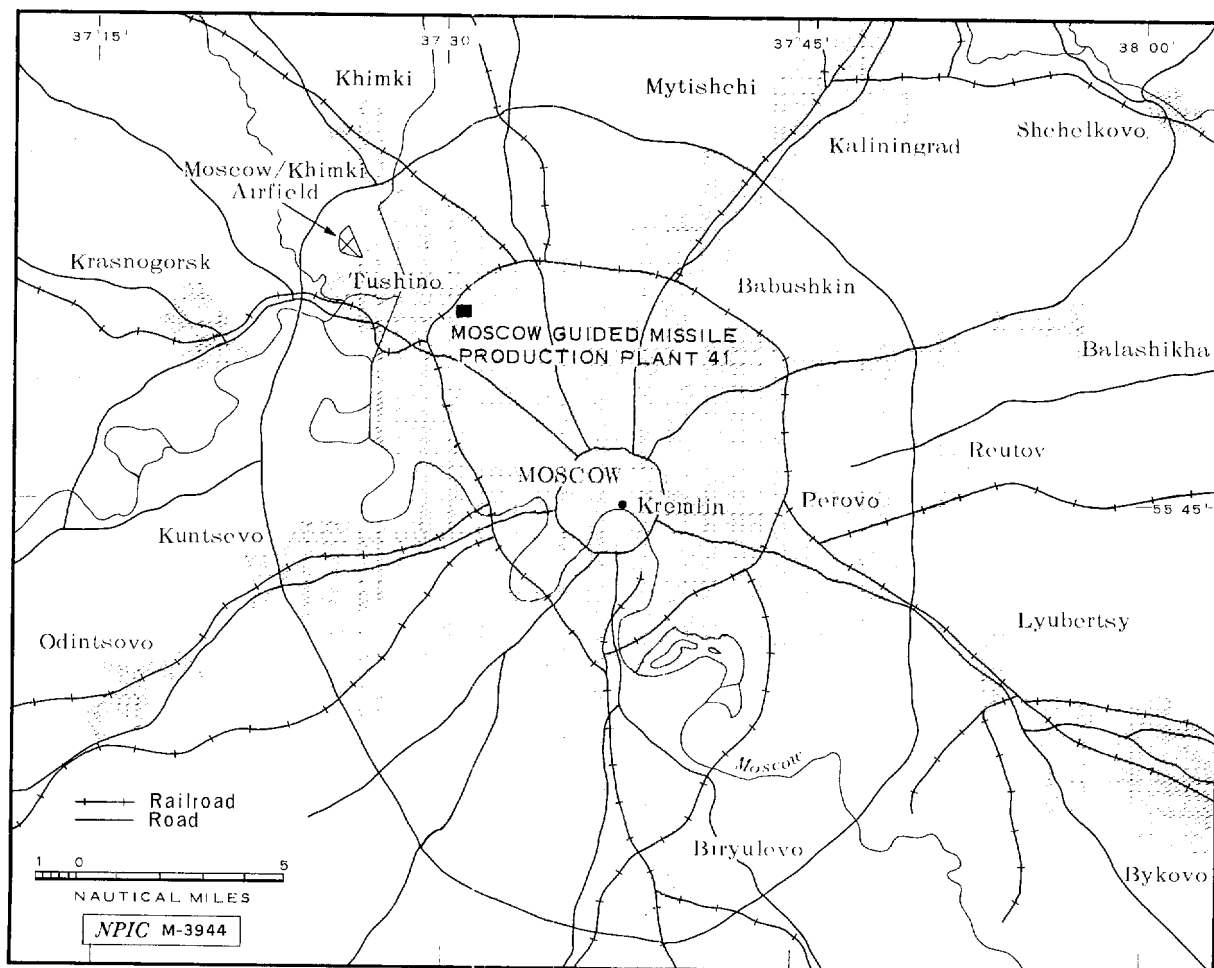


FIGURE 1. LOCATION MAP.

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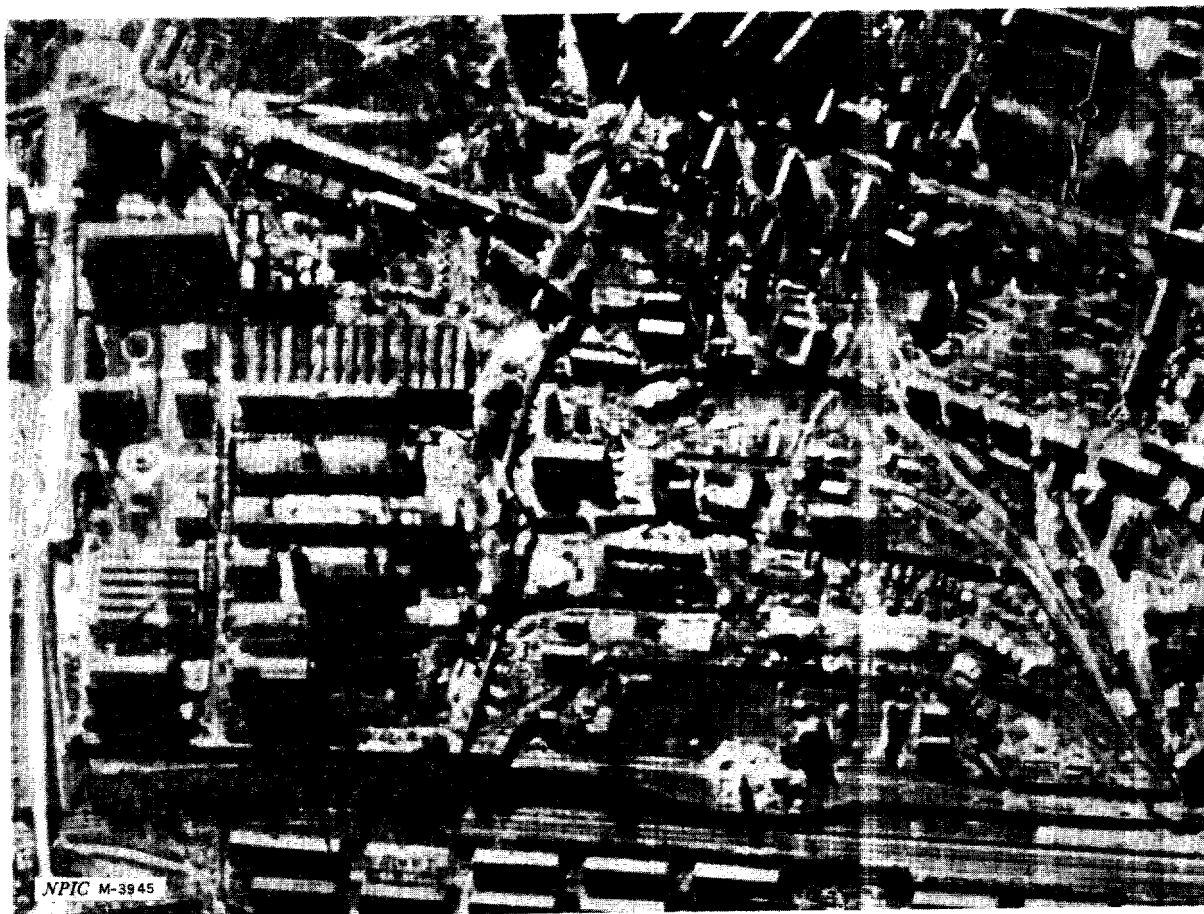


FIGURE 2. MOSCOW GUIDED MISSILE PRODUCTION PLANT 41, MOSCOW, USSR.

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at 55-49-35N 037-30-45E, on the northwestern edge of Moscow, USSR (Figure 1). It is adjacent to, and served by, a rail line which was first observed on photography [redacted]. The plant is characterized by assembly/shop buildings and a foundry, and other buildings which normally make up the production facilities of a machine-building plant, including missile or missile components plants.

Initial photographic coverage of the plant occurred in [redacted] when it was observed to be operational and approximately half its present size (Figure 2). Photography from [redacted] showed that the plant had been expanded by about 30 percent. Photographic coverage from [redacted] showed it to be nearly complete, with relatively little new construction discernible (Figure 3). Chronological and functional information and mensural data of

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structures in the plant are summarized in Table 1. A line drawing of the plant (Figure 4) is color coded to indicate construction chronology, and all item numbers are keyed to the drawing and the table.

The total roof cover of the facility when first observed was [] the total roof cover as of [] feet. The following tabulation shows the amount of roof cover added to the plant during the color-coded time periods shown in Figure 4.

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HIGHLIGHTS OF CHRONOLOGY

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Plant 41 was present and operational in [] At that time the plant consisted of approximately 33 buildings and was secured by a wall/fence. No aircraft or aircraft components were observed within the plant area.

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Photographic coverage of [] showed expansion of this plant to the west. Nine new buildings/additions were discernible throughout the facility. However, identification of these buildings could not be made because of the limited interpretability of the photography.

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The best photographic coverage thus far was obtained in [] Forty-four new build-

ings/additions were observed and identified. The area which was being expanded on the western side was secured by a wall/fence. Unidentified equipment was observed scattered throughout the plant area. Also present was a large assembly/shop building (Figure 4, Item 28). This building has a tower section somewhat similar to, but smaller than, those found at Dnepropetrovsk Missile Development and Production Center (Plant 186), USSR [] and Leningrad Armaments and Tank Plant Bolshevik 232, USSR [] 2,3/ There is some evidence, although not conclusive, that the building, including the tower section, was present in [] The tower section [] and possibly could be used as a missile checkout/vertical assembly/hydrostatic testing tower. However, until photographic coverage of better interpretability is obtained, no definite conclusions can be made.

Thirty-six new buildings/additions were observed during this time period. Most of the buildings observed were considerably smaller than the buildings previously identified. Unidentified equipment was observed adjacent to several buildings. This equipment could not be identified because of the lack of photographic coverage of adequate interpretability. However, numerous apparently cylindrical objects, which could be interpreted as possible tanks or missile airframes, and numerous probable shipping containers were evident throughout the plant area. The expanded area on the western side of the facility appeared to be complete and operational.

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Table 1. Moscow Machine Gun Production Plant 41, USSR
(Item numbers listed to Figure 4)

Item	Function	Dimensions* (ft) L W	Total Roof Cover (sq ft)	First Observed Apparently Complete	Comments	Item	Function	Dimensions* (ft) L W	Total Roof Cover (sq ft)	First Observed Apparently Complete	Comments
1	Admin bldg				U-shaped multistory bldg	49	Utility bldg				
2	Utility bldg					50	Shop bldg				
3	Utility bldg					51	Utility bldg				
4	Utility bldg					52	Security gatehouse				
5	Utility bldg					53	Utility bldg				
6	Admin bldg				L-shaped bldg	54	Assembly/shop bldg				
7	Utility bldg										
8	Utility bldg										
9	Utility bldg										
10	Utility bldg					55	Utility bldg				
11	Shop bldg					56	Warehouse				
12	Utility bldg					57	Utility bldg				
13	Assembly/shop bldg					58	Utility bldg				
14	Utility bldg				Multistory bldg	59	Shop/warehouse				
15	Warehouse					60	Assembly/shop bldg				
16	Shop/eng bldg					61	Warehouse				
17	Utility bldg					62	Utility bldg				
18	Shop bldg					63	Shop bldg				
19	Shop bldg										
20	Shop bldg					64	Utility bldg				
21	Utility bldg				Northern end of bldg has logistics section U/I objects/equipment adjacent to bldg	65	Warehouse				
22	Assembly/shop bldg					66	Warehouse				
23	Utility bldg				U/I objects/equipment adjacent to bldg	67	Warehouse				
24	Assembly/shop bldg				U/I objects/equipment adjacent to bldg	68	Utility bldg				
25	Shop					69	Foundry				
26	Shop					70	Utility bldg				
27	Assembly/shop bldg				Multistory bldg	71	Shop/warehouse				
28	Assembly/shop bldg					72	Utility bldg				
29	Shop bldg				Multistory bldg w/c at northern end; items 27, 35, 36, 37 could be one bldg when complete	73	Shop/warehouse				
30	Utility bldg					74	Utility bldg				
31	Shop bldg					75	Utility bldg				
32	Utility bldg					76	Shop bldg				
33	Utility bldg					77	Warehouse & trans- shipping bldg				
34	Transshipping bldg					78	Utility bldg				
						79	Warehouse				
35	Assembly/shop bldg					80	Warehouse				
36	Utility bldg					81	Admin bldg				
37	Utility bldg					82	Admin bldg				
38	Steam plant					83	Shop bldg				
						84	Shop bldg				
39	Utility bldg					85	Utility bldg				
40	Utility bldg					86	Utility bldg				
41	Warehouse					87	Utility bldg				
42	Warehouse					88	Utility bldg				
43	Warehouse					89	Utility bldg				
44	Warehouse					90	Utility bldg				
45	Utility bldg					91	Utility bldg				
46	Warehouse					92	Warehouse				
47	Utility bldg					93	Utility bldg				
48	Utility bldg					94	Warehouse				
49	Utility bldg					95	Utility bldg				
50	Utility bldg					96	Utility bldg				
51	Utility bldg					97	Utility bldg				
52	Utility bldg					98	Utility bldg				
53	Utility bldg					99	Utility bldg				
54	Utility bldg					100	Utility bldg				

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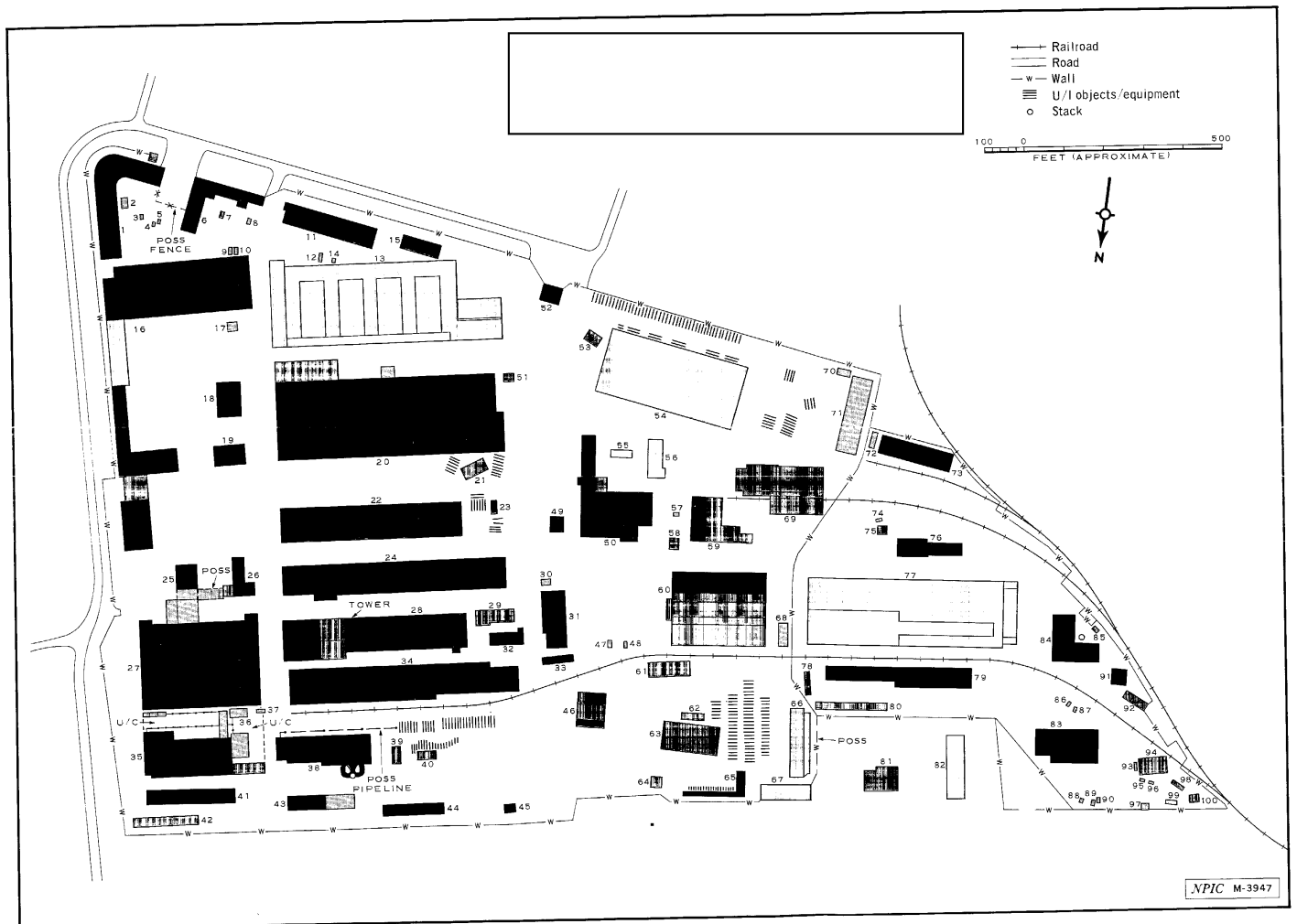


FIGURE 4. MOSCOW GUIDED MISSILE PRODUCTION PLANT 41.

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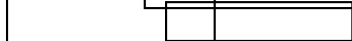
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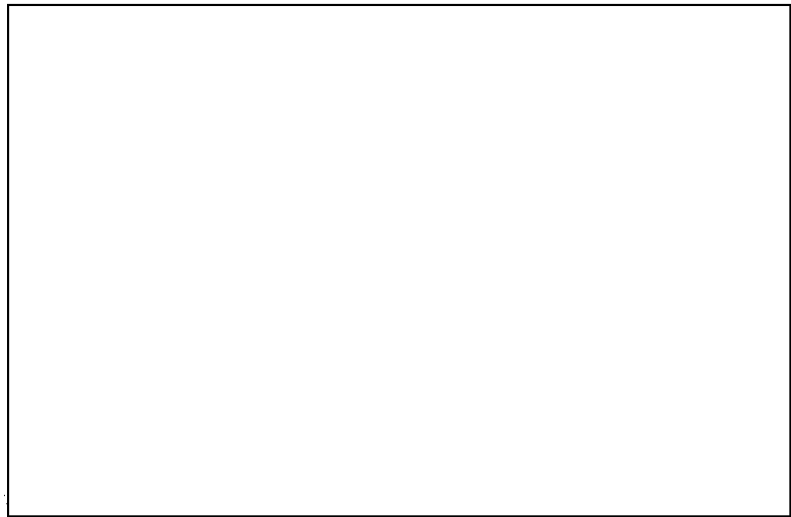
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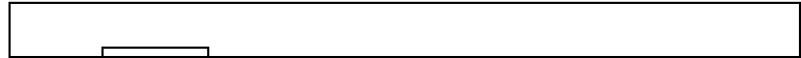
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MAPS OR CHARTS

ACIC, US Air Target Chart, Series 200, sheet 0167-5

DOCUMENTS



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2. NPIC, [redacted] *Proprietary Missile Development and Production Center, Dnepropetrovsk, USSR*, Jun 60 (TOP SECRET)

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3. NPIC, [redacted] *Structure of Embankment, Ammunition and Fuel Plant, Belgorod, USSR*, Feb 68 (TOP SECRET)

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REQUIREMENT

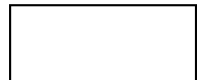
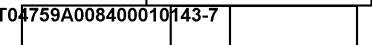
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